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## RADIOLOGICAL IMAGE INTERPRETATION APPARATUS AND METHOD

### Abstract of the Disclosure

A Radiology Healthcare Network provides high quality, timely medical interpretations of radiological images on a national (e.g., across the U.S.) and regional basis. The images can include images created by conventional x-ray technology, computed radiography, magnetic resonance imaging (MRI), computed tomography (CT), ultrasound imaging, nuclear medicine, and mammography equipment. The invention includes the acquisition of these images from health care facilities, the conversion of these images to digital format, the routing of these converted images, the interpretation of these routed images, and the routing of the interpretations back to the originating facility. The images are routed (e.g., on a variety of high-speed digital and analog telecommunication networks) to the appropriate interpretation resource by an administrative site on the Network based on one or more requirements associated with the radiological study. The interpretation can be performed on high-resolution workstations and/or on films produced by film printers. The invention can include quality control measures which assure high image and interpretation quality. The control and tracking of images by the administrative site results in the production of a complete, signed interpretive report in a timely manner.